

Advantages of Java Development

Introduction

Since the starting of the technological era technical civilization have competed among them, debating which technology is better. This is a never ending debate but it helps in finding out the positive and negative aspect of the each technology, which helps developers to understand what all positive aspect they should keep in mind while developing a new technology that would have maximum positive point of all the technology available and negate maximum negative points.

From the beginning only Java and C++ were considered to have much in common and there is good reason for that both of the technology indirectly depends on the C. Java was developed by sun Microsystem, which was developed by team of very talented and dedicated developers named Patrick Naughton, James Gosling, Ed Frank, Mike Sheridan and Chris Warth.

Java Application Development Company offered a lot of advantages which are listed below:

It was a very simple language as compared to its predecessor. It was designed in such a manner that it was very easy to use thus on the contrary it became easy to write, compile and debug any errors found later after the stage of development. One of the main reason why java is so much better than C++ is because of the fact that java used automatic memory allocation system and whereas C++ requires that the programmer should allocate memory and to collect garbage.

Java Allows us the create code that can be reused later stage. This happens because as java is an object oriented language it is centered around creating the object, manipulating objects and thus making the objects work together. One of the major reasons that Java was liked by the majority of developers' fraternity was that ability to move easily from one computer system to another. As it is independent from source code level and also at binary level this helps java to run same program on different system through World Wide Web software. Java makes distributed computing very easy with its network capability so that it can reduce the efforts and time of the developer. It is very easy to write a network program in Java it is like sending and receiving data to and from a file so that different systems can communicate among themselves to perform a task in a coherent manner.

As it was very thoughtful of its developer to consider the security into consideration while developing the **Software Development** therefore Java was one of the first programming language developed which took the security part of the design into consideration. Its entire component like java itself as a language, compiler and interpreter all were developed keeping in mind the security concerned in mind.

As a language one can easily say that Java is a robust language and one can easily say that no programming language of that time can ensure the reliability which was shown by this language. Developers developed this language so that it can make it possible early checking of the errors. This is made possible as Java compilers detect many problems that other languages would have shown after the execution process.